



Cluster of Excellence

Machine Learning: New Perspectives for Science

www.ml-in-science.uni-tuebingen.de

Machine Learning in Science

Online Symposium on July 7 and 8, 2020

Procedure:

Each presentation takes 30 minutes and is followed by a discussion of 15 minutes.

The discussion is followed by a 45 minutes **non-public session**, which will be organised as **break-out-group**, hence ALL participants can stay in the online conference room for the entire duration of the symposium.

Registration:

Registration is required for **Non-Cluster members only**. Please send an email to Sebastian Schwenk (sebastian.schwenk@uni-tuebingen.de), the link to the Zoom conference can then be provided.

Important: Participants who do not provide their full names will be excluded from the video conference by the moderators.

Tuesday, July 7, 2020

09:00 – 09:45	Nicole Ludwig (Karlsruhe Institute of Technology) <i>How Machine Learning Changes Research in Energy</i>
09:45 – 10:15	<i>Non-public session</i>
10:30 – 11:15	Michal Rolínek (Max Planck Institute for Intelligent Systems, Tübingen) <i>Machine Learning and Combinatorial Optimization</i>
11:15 – 11:45	<i>Non-public session</i>
11:45 – 13:00	<i>Break</i>
13:00 – 13:45	Thilo Wrona (GFZ Helmholtz-Zentrum, Potsdam) <i>How can Machine Learning Help Us Advance Solid Earth Science?</i>

13:45 – 14:15	<i>Non-public session</i>
14:30 – 15:15	Niklas Wahl (German Cancer Research Center – DKFZ, Heidelberg) <i>How will Machine Learning change Radiotherapy?</i>
15:15 – 15:45	<i>Non-public session</i>
16:00 – 16:45	Charley Wu (Harvard University, Cambridge, USA) <i>Bridging the Gap Between Human and Machine Learning</i>
16:45 – 17:15	<i>Non-public session</i>
17:15	<i>End of 1st Day</i>

Wednesday, July 8, 2020

09:00 – 09:45	Christin Beck (University of Konstanz) <i>Learning the Language of the Past: Historical Linguistics, Natural Language Processing and Machine Learning</i>
09:45 – 10:15	<i>Non-public session</i>